DOOSAN Document Transmittal

Upper Trishuli-1 HEP (216MW)

Date	DT No.:	SHEET
2022-07-17	UT1-HEP-DHI-PC-D-0045	1 OF 1

DOOSAN NEPAL BRANCH OFFICE	Address & Contact No. : Four Square Building, Naxal, Kathmandu, Nepal (P.O Box : 1387) + 977 1 692 3014	Project No. H20002	DOCUMENT DISPATCHED BY Courier Service ☐ Messenger ☐ Post-Air Freight ☐ Document System or E-mail ■ By hand ■
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SUBJECT	Submission of Review Note RN-0178, RN-0180, RN-0181 and RN-0182		

S. N.	REVIEW NOTE NO.	REVIEW STATUS	DWG. / DOC. NO.	REV.	DWG. TITLE / DOC. DESCRIPTION	REMARK
1	RN-0178	RR	UT1-C-010-CVL-DC-42005	0C	Structural Calculation of Diversion Tunnel Lining	
2	RN-0180	AN	UT1-C-030-CVL-OT-52001	0	Review Report of UT-1 HEP Desander Basin Model Test	
3	RN-0181	AN	UT1-C-030-CVL-DC-52002	0	Procedure for NA for Sediment Deposition and Flushing of the DB	
4	RN-0182	RR	UT1-C-010-CVL-DG-42006	0C	Reinforcement Drawing of Diversion Tunnel Lining	
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Received by :

Date :

Legend of Review Status
A : APPROVED
AN : APPROVED AS NOTED
RR : RETURN FOR RESUBMISSION
FI : FOR INFORMATION

DHI STAMP

Doosan Enerbility Co., Ltd
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Issued by DHI

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Doosan Enerbility Co., Ltd.

Discipline : Civil

UPPER TRISHULI-1 HEP (216MW)

Client	**Nepal Water and Energy Development Company Private Limited**
Owner's Engineer	**Tractebel Engineering GmbH / Jade Consult**

REVIEW NOTE

Contractor	**Doosan Enerbility**		
Title of the Document	Procedure for NA for Sediment Deposition and Flushing of the DB		
Document No.	UT1-C-030-CVL-DC-52002	Revision	0
Date of Documents	07.07.2022	Received Date	08.07.2022
Transmittal Form No.	UT1-HEP-DHI-D-0292		
Previous Review Date/Status	N/A	Prev. Review Note No.	N/A
Review Note No.	**RN-0181**	**Present Review Date**	**16.07.2022**
		Present Review Status	**AN**

A: Approved AN: Approved as Noted RR: Returned for Resubmission FI: For Information, only

Comments:

- The intention of this submission is not clear. Is this an incomplete draft version? This submission seems to be meant to represent the ToR for the numerical analysis to be performed by someone not appointed yet?
- Only one desander basin layout scheme presented although the report states "*totally 2 schemes/options have been envisaged …*".
- The origin of the selected starting dimensions of the desander basin with 14.25 m width x 9.5 m depth x 125 m length are not clear!
- Desander basin operating level = 1,254.0 masl: In the power and energy calculations from DJKV (design report, 2017) gross head has been calculated from an operating level of 1,255,0 masl! Has this change been accounted for in updated energy calculations?

Disclaimer:

Any approval will not release the Contractor from any of his obligations under the Contract. Despite the Engineer's approval the Contractor remains fully responsible for design, calculation, dimensioning, supply and installation without limitations.

Dr. Frank Negrassus/